## WHAT IS CLAIMED IS:

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- 1. A method for achieving a therapeutic effect in a mammal in need thereof which comprises administering to said mammal amounts of at least two therapeutic agents selected from a group consisting of:
  - a) a prenyl-protein transferase inhibitor and
  - b) an antineoplastic agent.

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- 2. The method according to Claim 1 wherein an amount of a prenyl-protein transferase inhibitor and an amount of an antineoplastic agent are administered simultaneously.
- 3. The method according to Claim 1 wherein an amount of an antineoplastic agent and an amount of a prenyl-protein transferase inhibitor are administered consecutively.
- 4. The method according to Claim 1 wherein the the the therapeutic effect is treatment of cancer.
  - 5. The method according to Claim 4 wherein the therapeutic effect is selected from inhibition of cancerous tumor growth and regression of cancerous tumors.

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- 6. The method according to Claim 4 wherein the antineoplastic agent is selected from;
  - a) a microtubule-stabilising agent;
  - b) a microtubule-disruptor agent;

- c) an alkylating agent;d) an anti-metabolite;
- e) epidophyllotoxin;
- f) an antine oplastic enzyme;
- g) a topojsomerase inhibitor;

- h) procarbazine;
- i) mitoxantrone;
- j) a platinum coordination complexe;
- k) a biological response modifier;
- l) a growth inhibitor;
- m) a hormonal/antihormonal therapeutic agent and
- n) a haematopoietic growth factor.
- 7. The method according to Claim 4 wherein the antineoplastic agent is a member of a class of anti-neoplastic agents, said class selected from: the anthracycline family of drugs, the vinca drugs, the mitomycins, the bleomycins, the cytotoxic nucleosides, the taxanes, the epothilones, discodermolide, the pteridine family of drugs, diynenes, aromatase inhibitors and the podophyllotoxins.

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8. The method according to Claim 4 wherein the antineoplastic agent is selected from: paclitaxel, docetaxel, epothilone A, epothilone B, desoxyepothilone A, desoxyepothilone B, doxorubicin, carminomycin, daunorubicin, aminopterin, methotrexate, methopterin, dichloro-methotrexate, mitomycin C, porfiromycin, 5-fluorouracil, 6-mercaptopurine, gemcitabine, cytosine arabinoside, podophyllotoxin, etoposide, etoposide phosphate, teniposide, melphalan, vinblastine, vincristine, leurosidine, vindesine, leurosine, estramustine, cisplatin, carboplatin, cyclophosphamide, bleomycin, tamoxifen, ifosamide, melphalan, hexamethyl melamine, thiotepa, cytarabin, idatrexate, trimetrexate, dacarbazine, L-asparaginase, camptothecin, CPT-11, topotecan, ara-C, bicalutamide, flutamide, leuprolide, a pyridobenzoindole derivative, an interferon and an interleukin.

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9. The method according to Claim 4 wherein the antineoplastic agent is selected from: paclitaxel, epothilone A, epothilone B, desoxyepothilone A, desoxyepothilone B, doxorubicin, daunorubicin, 5-fluorouracil, etoposide, vinblastine, estramustine, cisplatin, ara-C and bicalutamide.



- 10. The method according to Claim 4 wherein the prenyl-protein transferase inhibitor is selected from:
- 2(S)-Butyl-1-(2,3-diaminoprop-1-yl)-1-(1-naphthoyl)piperazine;
- 1-(3-Amino-2-(2-naphthylmethylamino)prop-1-yl)-2(S)-butyl-4-(1-naphthoyl)piperazine;
- 2(S)-Butyl-1-{5-[1-(2-naphthylmethyl)]-4,5-dihydroimidazol}methyl-4-(1-naphthoyl)piperazine;
  - 1-[5-(1-Benzylimidazol)methyl]-2(\$)-butyl-4-(1-naphthoyl)piperazine;
- 15 1-{5-[1-(4-nitrobenzyl)]imidazolylmethyl}-2(S)-butyl-4-(1-naphthoyl)piperazine;
  - 1-(3-Acetamidomethylthio-2(R)-aminoprop-1-yl)-2(S)-butyl-4-(1-naphthoyl)piperazine;
  - 2(S)-Butyl-1-[2-(1-imidazolyl)ethyl]sulfonyl-4-(1-naphthoyl)piperazine;
  - 2(R)-Butyl-1-imidazol/1-4-methyl-4-(1-naphthoyl)piperazine;
- 25 2(S)-Butyl-4-(1-naphthoyl)-1-(3-pyridylmethyl)piperazine;
  - 1-2(S)-butyl-(2(R)-(4-nitrobenzyl)amino-3-hydroxypropyl)-4-(1-naphthoyl)piperazine;
- 30 1-(2(R)-Amino/3-hydroxyheptadecyl)-2(S)-butyl-4-(1-naphthoyl)-piperazine;
  - 2(S)-Benzyl/1-imidazolyl-4-methyl-4-(1-naphthoyl)piperazine;

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1-(2(R)-Amino-3-(3-benzylthio)propyl)-2(S)-butyl-4-(1-naphthoyl)piperazine;

1-(2(R)-Amino-3-[3-(4-nitrobenzylthio)propyl])-2(S)-butyl-4-(1-naphthoyl)piperazine;

- 2(S)-Butyl-1-[(4-imidazolyl)ethyl]-4-(1-naphthoyl)piperazine;
- 2(S)-Butyl-1-[(4-imidazolyl)methyl]-4-(1-naphthoyl)piperazine;

2(S)-Butyl-1-[(1-naphth-2-ylmethyl)-1H-imidazol-5-yl)acetyl]-4-(1-naphthoyl)piperazine;

- 2(S)-Butyl-1-[(1-naphth-2-ylmethyl)-1H-imidazol-5-yl)ethyl]-4-(1-naphthoyl)piperazine;
  - 1-(2(R)-Amino-3-hydroypropyl)-2(S)-butyl-4-(1-naphthoyl)piperazine;
  - 1-(2(R)-Amino-4-hydroxybutyl)-2(S)-butyl-4-(1-naphthoyl)piperazine;

1-(2-Amino-3-(2-benzyloxyphenyl)propyl)-2(S)-butyl-4-(1-naphthoyl)piperazine;

- 1-(2-Amino-3-(2-hydroxyphenyl)propyl)-2(S)-butyl-4-(1-naphthoyl)piperazine;
  - 1-[3-(4-imidazolyl)propyl]-2(S)-butyl-4-(1-naphthoyl)-piperazine;
- 2(S)-*n*-Butyl-4-(2,3-dimethylphenyl)-1-(4-imidazolylmethyl)-30 piperazin-5-one;
  - 2(S)-*n*-Butyl-1-[1-(4-cyanobenzyl)imidazol-5-ylmethyl]-4-(2,3-dimethylphenyl)piperazin-5-one;

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1-[1-(4-Cyanobenzyl)imidazol-5-ylmethyl]-4-(2,3-dimethylphenyl)-2(S)-(2-methoxyethyl)piperazin-5-one;

2(S)-n-Butyl-4-(1-naphthoyl)-1-[1-(1-naphthylmethyl)imidazol-5-ylmethyl]-piperazine;

2(S)-*n*-Butyl-4-(1-naphthoyl)-1-[1-(2-naphthylmethyl)imidazol-5-ylmethyl]-piperazine;

10 2(S)-*n*-Butyl-1-[1-(4-cyanobenzyl)imidazol-5-ylmethyl]-4-(1-naphthoyl)piperazine;

2(S)-*n*-Butyl-1-[1-(4-methoxybenzyl)imidazol-5-ylmethyl]-4-(1-naphthoyl)piperazine;

2(S)-*n*-Butyl-1-[1-(3-methyl-2-butenyl)imidazol-5-ylmethyl]-4-(1-naphthoyl)piperazine;

2(S)-*n*-Butyl-1-[1-(4-flyorobenzyl)imidazol-5-ylmethyl]-4-(1-naphthoyl)piperazine;/

2(S)-*n*-Butyl-1-[1-(4-chlorobenzyl)imidazol-5-ylmethyl]-4-(1-naphthoyl)piperazine;

25 1-[1-(4-Bromobenzyl)imidazol-5-ylmethyl]-2(S)-*n*-butyl-4-(1-naphthoyl)piperazine;

2(S)-n-Butyl-4-(1-naphthoyl)-1-[1-(4-trifluoromethylbenzyl)imidazol-5-ylmethyl]-piperazine;

2(S)-*n*-Butyl-1-[1-(4-methylbenzyl)imidazol-5-ylmethyl]-4-(1-naphthoyl)-piperazine;

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2(S)-n-Butyl-1-[1-(3-methylbenzyl)imidazol-5-ylmethyl]-4-(1-naphthoyl)-piperazine;

1-[1-(4-Phenylbenzyl)imidazol-\$-ylmethyl]-2(S)-*n*-butyl-4-(1-naphthoyl)-piperazine;

- 2(S)-*n*-Butyl-4-(1-naphthoyl)-/-[1-(2-phenylethyl)imidazol-5-ylmethyl]-piperazine;
- 2(S)-*n*-Butyl-4-(1-naphthoy/)-1-[1-(4-trifluoromethoxy)imidazol-5-ylmethyl]piperazine;
  - 1-{[1-(4-cyanobenzyl)-1H-imidazol-5-yl]acetyl}-2(S)-n-butyl-4-(1-naphthoyl)piperazine;
  - (S)-1-(3-Chlorophenyl)/4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-5-[2-(methanesulfonyl)ethyl]-2-piperazinone;
- (S)-1-(3-Chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-5-[2-20 (ethanesulfonyl)ethyl]-2-piperazinone;
  - (R)-1-(3-Chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-5-[2-(ethanesulfonyl)methyl]-2-piperazinone;
- 25 (S)-1-(3-Chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-5-[N-ethyl-2-acetamido]-2-piperazinone;
  - (±)-5-(2-Butynyl)-1-(3-chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-2-piperazinone;
  - 1-(3-Chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-2-piperazinone;
- 5(S)-Butyl/4-[1-(4-cyanobenzyl-2-methyl)-5-imidazolylmethyl]-1-(2,3-dimethylphenyl)-piperazin-2-one;

4-[1-(2-(4-Cyanophenyl)-2-propyl)-5-imidazolylmethyl]-1-(3-chlorophenyl)-5(S)-(2-methylsulfonylethyl)piperazin-2-one;

5(S)-n-Butyl-4-[1-(4-cyanobenzyl)-5/imidazolylmethyl]-1-(2-methylphenyl)piperazin-2-one;

4-[1-(4-Cyanobenzyl)-5-imidazolylmethyl]-5(S)-(2-fluoroethyl)-1-(3-chlorophenyl)piperazin-2-one;

4-[3-(4-Cyanobenzyl)pyridin-4-yl]-1-(3-chlorophenyl)-5(S)-(2-methylsulfonylethyl)-piperazin-2-one;

4-[5-(4-Cyanobenzyl)-1-imidazolylethyl]-1-(3-chlorophenyl)piperazin-2-one;

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]-pentyloxy-3-phenylpropionyl-nomoserine lactone,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-phenylpropionyl-homoserine,

2(S)-[2(S)-[2(R)-Amino-3/mercapto]propylamino-3(S)methyl]pentyloxy-2-methyl-3-phenylpropionyl-homoserine lactone,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-2-methyl-3-phenylpropionyl-homoserine,

2(S)-[2(S)-[2(R)-Amino-3-mercapto)propylamino-3(S)-

methyl]pentyloxy-4-pentenoyl-homoserine lactone,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]-pentyloxy-4-pentenoyl-homoserine,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxypentanoyl-homoserine lactone,

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2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylaniin 6-3(S)-methyl]pentyloxypentanoyl-homoserine,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]5-pentyloxy-4-methylpentanoyl-homoserine lactone,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-4-methylpentanoyl-homoserine,

10 2(S)-[2(S)-[2(R)-Amino-3-mercaptolpropylamino-3(S)-methyllpentyloxy-3-methylbutanoyl-homoserine lactone,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-methylbutanoyl-homoserine,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-phenylbutanoyl-homoserine lactone,

2(S)-[2(S)-[2(R)-Amino-3-mercapto] propylamino-3(S)-methyl]-20 pentyloxy-3-phenylbutanoyl-homoserine,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentylthio-2-methyl-3-phenylpropionyl-homoserine lactone,

25 2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentylthio-2-methyl-3-phenylpropionyl-homoserine,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentylsulfonyl-2-methyl-3-phenylpropionyl-homoserine lactone,

2(S)-[2(S)-[2(R)-Amino-3/-mercapto]propylamino-3(S)-methyl]-pentylsulfonyl-2-methyl/3-phenylpropionyl-homoserine,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylaniino-3(S)-methyl]-

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pentyloxy-3-phenylpropionyl-methionine/methyl ester,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-phenylpropionyl-methionine,

2(S)-[2(S)-[2(R)-Amino-3-mercapto] propylamino-3(S)-methyl] pentyloxy-3-phenylpropionyl-methionine sulfone methyl ester,

2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)methyl]pentyloxy-3-phenylpropionyl-methionine sulfone (Compound 6),

- 2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-phenylpropionyl-methionine sulfone isopropyl ester,
- 2-(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-naphth-2-yl-propionyt-methionine sulfone methyl ester,
  - 2-(S)-[2(S)-[2(R)-Amino-3/mercapto]propylamino-3(S)-methyl]-pentyloxy-3-naphth-2-yl-propionyl-methionine sulfone,

2-(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-naphth-1-yl-propionyl-methionine sulfone methyl ester,

- 25 2-(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-naphth-1-yl-propionyl-methionine sulfone,
  - 2-(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyllpentyloxy/3-methybutanoyl-methionine methyl ester.

2-(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-methybutanoyl-methionine,

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Disulphide of 2(S)-[2(S)-[2(R)-Amin 6-3-mercapto]propylamino-3(S)methyl]pentyloxy-3-phenylpropionyl-homoserine lactone,

Disulphide of 2(S)-[2(S)-[2(R)-Ammo-3-mercapto]propylamino-3(S)-methyl]pentyloxy-3-phenylpropionyl-homoserine,

Disulphide of 2(S)-[2(S)-[2(R)-Amino-3-mercapto]propylamino-3(S)methyl]pentyloxy-3-methylbutanoyl-methionine methyl ester

10 1-(4-Biphenylmethyl)-5-(4-cyanobenzyl)imidazole

1-(4-Cyanobenzyl)-5-(4'-phehylbenzamido)ethyl-imidazole

1-(2'-Trifluoromethyl-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole

1-(4-Biphenylethyl)-5-(4-kyanobenzyl)imidazole

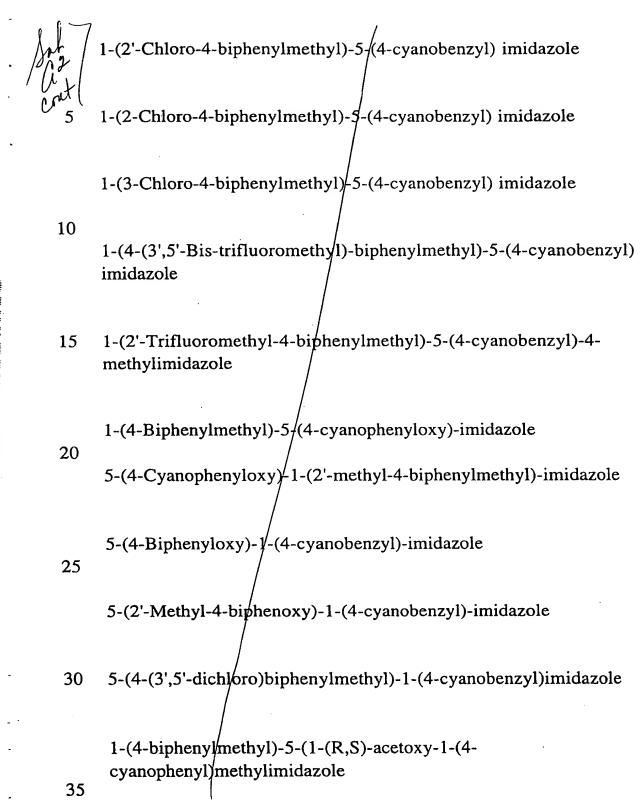
1-(2'-Bromo-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole

1-(2'-Methyl-4-biphen/ylmethyl)-5-(4-cyanobenzyl) imidazole

1-(2'-Trifluoromethoxy-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

30 1-(4-(3',5'-dichloro)-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

1-(2'-Methoxy-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole





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1-(4-Biphenylmethyl)-5-(1-(R,S)-hydroxy-1-(4-cyanophenyl) methylimidazole

1-(4-Biphenylmethyl)-5-(1-(R,S)-amino-1-(4-cyanophenyl) methylimidazole

10 1-(4-biphenylmethyl)-5-(1-(R,S)-methoxy-1-(4-cyanophenyl)-methylimidazole

1-(4-Cyanobenzyl)-5-(1-hydroxy-1-(4-biphenyl)-methyl imidazole

1-(4-Cyanobenzyl)-5-(1-oxo-1-(4-biphenyl)-methyl imidazole

1-(4-Cyanobenzyl)-5-(1-hydroxy-1-(3-fluoro-4-biphenyl)-methyl)-imidazole

1-(4-Cyanobenzyl) /5-(1-hydroxy-1-(3-biphenyl)methyl-imidazole

5-(2-[1,1'-Biphenyl]vinylene)-1-(4-cyanobenzyl)imidazole

1-[N-(1-(4-cyanobenzyl)-5-imidazolylmethyl)amino]-3-methoxy-4-phenylbenzene

1-(4-Biphenylmethyl)-5-(4-bromophenyloxy)-imidazole

1-(3'-Methyl-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

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1-(4'-Methyl-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

1-(3'-Trifluoromethyl-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

1-(4'-Trifluoromethyl-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

10 imidazole

1-(3'-Chloro-4-biphenyl/nethyl)-5-(4-cyanobenzyl) imidazole

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1-(4'-Chloro-4-biphen/lmethyl)-5-(4-cyanobenzyl) imidazole

1-(2'3'-Dichloro-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

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1-(2'4'-Dichloro-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

25 1-(2'5'-Dichlor \( \phi\)-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

1-(3'-Trifluor methoxy-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

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1-(2'-Fluoro-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole

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1-(4-(2'-Trifluoromethylphenyl)-2-Chlorophenylmethyl)-5-(4-cyanobenzyl) imidazole

- 5 1-{1-(4-(2'-trifluoromethylphenyl)phenyl)ethyl}-5-(4-cyanobenzyl) imidazole
- 1-(2'-Trifluoromethyl-4-biphenylpropyl)-5-(4-cyanobenzyl)
- 10 imidazole
  - 1-(2'-N-t-Butoxycarbonylamino-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole
- 15 1-(2'-Aminomethyl-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole
  - 1-(2'-Acetylaminomethy)-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole
- 20 1-(2'-Methylsulfonylaminomethyl-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole
  - 1-(2'-Ethylaminomethyl-4-biphenylmethyl)-5-(4-cyanobenzyl) imidazole
- 25
  1-(2'-Phenylaminomethyl-4-biphenylmethyl)-5-(4-cyanobenzyl)
  imidazole
- 1-(2'-Glycinylaminomethyl-4-biphenylmethyl)-5-(4-cyanobenzyl)
  30 imidazole /
  - 1-(2'-Methyl-4-biphenylmethyl)-2-chloro-5-(4-cyanobenzyl) imidazole



1-(2'-Methyl-4-biphenylmethyl)- 4-chloro 5-(4-cyanobenzyl) imidazole

1-(3'-Chloro-2-methyl-4-biphenylmethyl)-4-(4-

5 cyanobenzyl)imidazole

1-(3'-Chloro-2-methyl-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole

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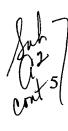
1-(3'-Trifluoromethyl-2-methyl-4-biphenylmethyl)-4-(4-cyanobenzyl) imidazole

- 15 1-(3'-Trifluoromethyl-2-methyl-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole
- 1-(3'-Methoxy-2-methyl-4-biphenylmethyl)-5-(4-20 cyanobenzyl)imidazole
  - 1-(2'-Chloro-4'-fluoro-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole

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1-(2'-Ethyl-4-\psiphenylmethyl)-5-(4-cyanobenzyl)imidazole

- 30 1-(2'-(2-Propyl)-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole
  - 1-(2'-(2-Methyl-2-propyl)-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole



1-(2'-Ethyl-4-biphenylmethyl)-5-(4-(1#/-tetrazol-5-yl))benzyl)imidazole

1-[1-(4-Cyanobenzyl)imidazol-5-ylmethoxy]-4-(2'-methylphenyl)-2-(3-N-phthalimido-1-propyl)benzene

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1-(3',5'-Ditrifluoromethyl-2-methyl-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole

15 1-(3',5'-Chloro-2-methyl-4/biphenylmethyl)-5-(4-cyanobenzyl)imidazole

1-(3',5'-Dimethyl-2-methyl-4-biphenylmethyl)-5-(4-20 cyanobenzyl)imidazole/

1-(3-(N-Boc-aminomethyl)-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole

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1-(3-Aminomethyl-4-biphenylmethyl)-5-(4-cyanobenzyl)imidazole

30 1-(4-Cyanobenzyl)-2-methyl-5-(2'-methylbiphenyl-4-yloxy)imidazole

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5-(4-Cyanobenzyl)-1-(3-cyano-2'-trifluoromethylbiphenyl-4-ylmethyl)imidazole

- 5 2-Amino-5-(biphenyl-4-ylmethyl)-1-(4/cyanobenzyl)imidazole
  - 2-Amino-1-(biphenyl-4-ylmethyl)-5/(4-cyanobenzyl)imidazole

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- 1-(3-Butylbiphenyl-4-ylmethyl)-\$\beta\$-(4-cyanobenzyl)-imidazole
- 1-(3-Propylbiphenyl-4-ylmethyl)-5-(4-cyanobenzyl)-imidazole

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- 1-(4-Biphenylmethyl)-4-(4-cyanobenzyl-2-methylimidazole
- 20 1-(4-Cyanobenzyl)-5-[(3-fluoro-4-biphenyl)methyl]imidazole
  - 1-(4-Cyanobenzyl)-5-[1-(4-biphenyl)-1-hydroxy]ethyl-2-methylimidazole

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- 1-(4-Cyanobenzyl)-5-(4-biphenylmethyl)-2-methylimidazole
- 30 1-(4-Cyanobenzyl)-5-[1-(4-biphenyl)]ethyl-2-methyl imidazole
  - 1-(4-Cyanobenzyl-5-[1-(4-biphenyl)]vinylidene-2-methylimidazole and



1-(4-Cyanobenzyl)-5-[2-(4-biphehyl)]vinylene-2-methylimidazole

1-(4-[Pyrid-2-yl]phenylmethyl) 5-(4-cyanobenzyl) imidazole

1-(4-[3-Methylpyrazin-2-yl]phenylmethyl)-5-(4-cyanobenzyl)imidazole

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1-(4-(Pyrimidinyl-5-yl)phen/ylmethyl)-5-(4-cyanobenzyl)imidazole

1-(2-Phenylpyrid-5-ylmethyl)-5-(4-cyanobenzyl)imidazole

15 1-(2-Phenyl-N-Oxopyrid-5-ylmethyl)-5-(4-cyanobenzyl)imidazole

1-(3-Phenylpyrid-6-ylmethyl)-5-(4-cyanobenzyl)imidazole

1-(3-Phenyl-N-Oxopyrid-6-ylmethyl)-5-(4-cyanobenzyl)imidazole

1-(2-(3-Trifluoromethoxyphenyl)-pyrid-5-ylmethyl)-5-(4-cyanobenzyl)imidazole

1-(2-(2-Trifluoromethylphenyl)-pyrid-5-ylmethyl)-5-(4-

cyanobenzyl)imidazole

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1-(3-Phenyl-2-Chloropyrid-6-ylmethyl)-5-(4-cyanobenzyl)imidazole

1-(3-Phenyl-4-¢hloropyrid-6-ylmethyl)-5-(4-cyanobenzyl)imidazole

30 1-(2-Amino-3/phenylpyrid-6-ylmethyl)-5-(4-cyanobenzyl)imidazole

1-(2-[Pyrid-2-yl]pyrid-5-ylmethyl)-5-(4-cyanobenzyl)imidazole

N-{1-(4-Cyanobenzyl)-1H-imidazol-5-yl)methyl}-5-(pyrid-2-yl)-2-

35 amino-pyrimidine

N,N-bis(4-Imidazolemethyl)amino-3-[(3-carboxyphenyl)oxy]benzene

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N,N-bis(4-Imidazolemethyl)amino-4-[(3-carboxyphenyl)oxy]benzene

N,N-bis(4-Imidazolemethyl)amino-3-[(3-carbomethoxyphenyl)-oxy]benzene

*N,N-bis*(4-Imidazolemethyl)amino-4-[(3-carbomethoxyphenyl)-oxy]benzene

10 N-(4-Imidazolemethyl)-N-(4-nitrobenzyl)aminomethyl-3-[(3-carboxyphenyl)oxy]benzene

*N*-(4-Imidazolemethyl)-*N*-(4-nitrobenzyl)aminomethyl-3-[(3-carbomethoxyphenyl)oxy]benzene

N-(4-Imidazolemethyl)-N-(4-nitrobenzyl)amino-3-(phenoxy)benzene N-(4-Imidazolemethyl)-N-(4-nitrobenzyl)amino-4-(phenoxy)benzene

- N-(4-Imidazolemethyl)-N-(4-nitrobenzyl)amino-4-(phenylthio)benzene

  N-Butyl-N-[1-(4-cyanobenzyl)-5-imidazolemethyl]amino-4(phenoxy)benzene
- N-[1-(4-Cyanobenzyl)-5-imidazolemethyl]amino-4-(phenoxy)benzene

  N-(4-Imidazolemethyl)amino-3-[(3-carboxyphenyl)oxy]benzene
- 1-[N-(1-(4-cyanobenzyl)-5-imidazolylmethyl)-N-(4-30 cyanobenzyl)amino]-4-(phenoxy)benzene
  - (±)-4-[(4-imidazolylmethyl)amino]pentyl-1-(phenoxy)benzene
  - 1-[(N-(1-(4-cyanobenzyl)-5-imidazolylmethyl)-N-(n-

35 butyl)amino/methyl]-4-(phenoxy)benzene



4-[N-(1-(4-cyanobenzyl)-5-imidaz olylmethyl)-N-(n-butyl)amino]-1-(phenylthio)benzene

(±)-4-[N-(1-(4-cyanobenzyl)-4-inidazolylmethyl)-N-(n-butyl)amino]-1-(phenylsulfinyl)benzene

3-[N-(4-imidazolylmethyl)-N-(n-butyl)amino]-N-(phenyl)benzenesulfonamide and

1-[N-(1-(4-cyanobenzyl)-5-imidazolylmethyl)amino]-3-methoxy-4-phenylbenzene

4-{3-[4-(-2-Oxo-2-H-pyr)din-1-yl)benzyl]-3-H-imidazol-4-

15 ylmethyl]benzonitrile

4-{3-[4-3-Methyl-2-ox6-2-H-pyridin-1-yl)benzyl]-3-H-imidazol-4-ylmethyl]benzonitrile

20 4-{3-[4-(-2-Oxo-piperidin-1-yl)benzyl]-3-H-imidazol-4-ylmethyl]benzonitrile

4-{3-[3-Methyl-4-(2-oxopiperidin-1-yl)-benzyl]-3-H-imidizol-4-ylmethyl}-benzonitrile

(4-{3-[4-(2-Ox\overline{0}-pyrrolidin-1-yl)-benzyl]-3H-imidizol-4-ylmethyl}-benzonitrile

4-{3-[4-(3-Methyl-2-oxo-2-H-pyrazin-1-yl)-benzyl-3-H-imidizol-4-ylmethyl}-benzonitrile

4-{3-[2-Methoxy-4-(2-oxo-2-H-pyridin-1-yl)-benzyl]-3-H-imidizol-4-ylmethyl} benzonitrile

35 4-{1-[4-\$\sqrt{5}\$-Chloro-2-oxo-2H-pyridin-1-yl}-benzyl]-1H-pyrrol-2-ylmethyl}-benzonitrile

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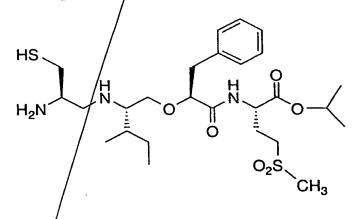
4-[1-(2-Oxo-2H-[1,2']bipyridinyl-5'-ylmethyl)/1H-pyrrol-2-ylmethyl]-benzonitrile

- 4-[1-(5-Chloro-2-oxo-2H-[1,2']bipyridinyl-5'-ylmethyl)-1H-pyrrol-2-ylmethyl]-benzonitrile
  4-[3-(2-Oxo-1-phenyl-1,2-dihydropyridin-4-ylmethyl)-3H-imidazol-4-ylmethyl]benzonitrile
- 4-{3-[1-(3-Chloro-phenyl)-2-oxo-1,2-dihydropyridin-4-ylmethyl]-3H-imidazol-4-ylmethyl}benzonitrile

or a pharmaceutically acceptable salt/disulfide or optical isomer thereof.

11. The method according to Claim 4 wherein the prenyl-protein transferase inhibitor is selected from:

2(S)-[2(S)-[2(R)-Amino-3-meréapto]-propylamino-3(S)-methyl]-pentyloxy-3-phenylpropionyl-methionine sulfone isopropyl ester (Compound A)



1-(3-Chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-2-piperazinone;



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(R)-1-(3-Chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-5-[2-(ethanesulfonyl)methyl]-2-piperazinone;

4-[1-(5-Chloro-2-oxo-2H-[1,2']bipyridinyl-5'-y/methyl)-1H-pyrrol-2-

5 ylmethyl]-benzonitrile and

1-[N-(1-(4-cyanobenzyl)-5-imidazolylmethyl)-N-(4-cyanobenzyl)amino]-4-(phenoxy)benzene

or a pharmaceutically acceptable salt, disulfide or optical isomer thereof.

12. The method according to Claim 4 wherein the antineoplastic agent is paclitaxel and the prenyl-protein transferase inhibitor is

2(S)-[2(S)-[2(R)-Amino-3-mercapto]-propylamino-3(S)-methyl]-pentyloxy-3-phenylpropionyl-methionine sulfone isopropyl ester (Compound A)

13. A method of treating cancer in a mammal in need thereof which comprises administering to said mammal amounts of a prenyl-protein transferase inhibitor and applying to the mammal radiation therapy.

- 14. The method according to Claim 13 wherein the amount of a prenyl-protein transferase inhibitor and the radiation therapy are administered simultaneously.
- 15. The method according to Claim 13 wherein the amount of a prenyl-protein transferase inhibitor is administered first and the radiation therapy is administered after the prenyl-protein transferase inhibitor has been administered.
- 16. The method according to Claim 13 wherein the prenyl-protein transferase inhibitor is selected from:
  - 2(S)-[2(S)-[2(R)-Amino-3-mercapto]-propylamino-3(S)-methyl]-pentyloxy-3-phenylpropionyl-methionine sulfone isopropyl ester (Compound A)

- 1-(3-Chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-2-piperazinone;
- (R)-1-(3-Chlorophenyl)/4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-5-[2-(ethanesulfonyl)methyl]-2-piperazinone;
- 4-[1-(5-Chloro-2-oxo-2H-[1,2']bipyridinyl-5'-ylmethyl)-1H-pyrrol-2ylmethyl]-benzonitrile and

1-[N-(1-(4-cyanobenzyl)-5-imidazolylmethyl)-N-(4-cyanobenzyl)amino]-4-(phenoxy)benzene

or a pharmaceutically acceptable salt, disulfide or optical isomer thereof.

17. The method according to Claim 13 wherein the prenyl-protein transferase inhibitor is selected from:

2(S)-[2(S)-[2(R)-Amino-3-mercap o]-propylamino-3(S)-methyl]-pentyloxy-3-phenylpropionyl-methionine sulfone isopropyl ester (Compound A)

or a pharmaceutically acceptable salt, disulfide or optical isomer thereof.

18. The method according to Claim 13 wherein the prenyl-protein transferase inhibitor is:

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1-(3-Chlorophenyl)-4-(1-(4-cyanobenzyl)-5-imidazolylmethyl]-2piperazinone;

or a pharmaceutically acceptable salt thereof.



- 19. The method according to Claim 13 wherein the prenyl-protein transferase inhibitor is selected from:
- (R)-1-(3-Chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-5-5 [2-(ethanesulfonyl)methyl]-2-piperazinone;

or a pharmaceutically acceptable salt or optical isomer thereof.

- 20. The method according to Claim 13 wherein the prenylprotein transferase inhibitor is selected from:
  - 4-[1-(5-Chloro-2-oxo-2H-[1,2']bipyridinyl-5'-ylmethyl)-1H-pyrrol-2-ylmethyl]-benzonitrile and
- or a pharmaceutically acceptable salt thereof.
  - 21. The method according to Claim 13 wherein the prenyl-protein transferase inhibitor is selected from:
- 20 1-[N-(1-(4-cyanobenzyl)-5-imidazoly]methyl)-N-(4-cyanobenzyl)amino]-4-(phenoxy)benzene
  or a pharmaceutically acceptable salt thereof.
- 22. The method according to Claim 13 which additionally comprises administering to the mammal an amount of an antineoplastic agent.
- 23. The method according to Claim 22 wherein the amount of a prenyl-protein transferase inhibitor and the amount of an antineoplastic agent/are administered simultaneously.
- 24. The method according to Claim 22 wherein the amount of an antineoplastic agent and the amount of a prenyl-protein transferase inhibitor are administered consecutively.

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- 25. The method according to Claim 22 wherein the prenylprotein transferase inhibitor is selected from:
- 2(S)-[2(S)-[2(R)-Amino-3-mercapto]-propylamino-5 3(S)-methyl]-pentyloxy-3-phenylpropionyl-methionine sulfone isopropyl ester (Compound A)

- 1-(3-Chlorophenyl)-4-[1-(4-cy/nobenzyl)-5-imidazolylmethyl]-2-10 piperazinone;
  - (R)-1-(3-Chlorophenyl)-4-[1-(4-cyanobenzyl)-5-imidazolylmethyl]-5-[2-(ethanesulfonyl)methyl]-2-piperazinone;
- 15 4-[1-(5-Chloro-2-oxo-2H/[1,2']bipyridinyl-5'-ylmethyl)-1H-pyrrol-2ylmethyl]-benzonitrile and
- 1-[N-(1-(4-cyanobenzyl)-5-imidazolylmethyl)-N-(4cyanobenzyl)amino]-4-(phenoxy)benzene 20
  - or a pharmaceutically/acceptable salt, disulfide or optical isomer thereof.
- 26. A/pharmaceutical composition for achieving a 25 therapeutic effect in a mammal in need thereof which comprises

amounts of at least two therapeutic agents selected from a group consisting of:

- a) a prenyl-protein transferase inhibitor and
- b) an antineoplastic agent/

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27. The pharmaceutical composition according to Claim 26 comprising an amount of a prenyl-protein transferase inhibitor and an amount of an antineoplastic agent.

28. The pharmaceutical composition according to Claim 26 10 wherein the therapeutic effect is treatment of cancer.

29. The pharmaceutical composition according to Claim 26 wherein the therapeutic effect is selected from inhibition of cancerous tumor growth and the regression of cancerous tumors.

30. The composition according to Claim 27 wherein the antineoplastic agent is paclitaxel and the prenyl-protein transferase inhibitor is

20 2(S)-[2(S)-[2(R)-Amino-3-mercapto]-propylamino-3(S)-methyl]-pentyloxy-3-phenylpropionyl-methionine sulfone isopropyl ester (Compound A)

$$H_2N$$
 $H_2N$ 
 $H_2N$ 
 $H_3$ 
 $H_2N$ 
 $H_3$ 
 $H_4$ 
 $H_5$ 
 $H_5$ 



31. A method of preparing a pharmaceutical composition for achieving a therapeutic effect in a mammal in need thereof which



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comprises mixing amounts of at least two therapeutic agents selected from a group consisting of:

- a) a prenyl-protein transferase inhibitor and
- b) an antineoplastic agent.

32. The method of preparing a pharmaceutical composition according to Claim 26 comprising mixing an amount of a prenyl-protein transferase inhibitor and an amount of an antineoplastic agent.

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